

Title (en)

MOTION CONTROL METHOD AND SYSTEM FOR SERVICING OF WELDING TORCH

Title (de)

BEWEGUNGSSTEUERUNGSVERFAHREN UND SYSTEM ZUR WARTUNG EINES SCHWEISSBRENNERS

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE DE MOUVEMENT POUR L'ENTRETIEN D'UN CHALUMEAU SOUDEUR

Publication

**EP 3455022 A4 20191225 (EN)**

Application

**EP 17798466 A 20170519**

Priority

- US 201662339311 P 20160520
- CA 2017050612 W 20170519

Abstract (en)

[origin: WO2017197529A1] A system and method for servicing a welding torch is provided. The system includes a gripping module for holding and releasing a component of the welding torch, the gripping module is movable along an axis of the gripping module and rotatable about the axis; and a control system for providing a degree of freedom in a movement of the gripping module to control or reduce a force exerted between mating components of the welding torch.

IPC 8 full level

**B23K 9/32** (2006.01); **B23K 9/28** (2006.01); **B23K 37/00** (2006.01)

CPC (source: EP US)

**B23K 9/328** (2013.01 - EP US)

Citation (search report)

- [X] JP H0323078 A 19910131 - MATSUMOTO KIKAI KK
- [A] WO 2016000083 A1 20160107 - NASARC TECHNOLOGIES INC [CA]
- [A] US 4733050 A 19880322 - GRAFIUS GERALD R [US]
- See also references of WO 2017197529A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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**WO 2017197529 A1 20171123**; CA 3024749 A1 20171123; CN 109689272 A 20190426; CN 109689272 B 20220419; EP 3455022 A1 20190320; EP 3455022 A4 20191225; JP 2019518612 A 20190704; JP 2022078178 A 20220524; JP 7084318 B2 20220614; JP 7249447 B2 20230330; US 11224931 B2 20220118; US 2019299321 A1 20191003; US 2022097162 A1 20220331

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**CA 2017050612 W 20170519**; CA 3024749 A 20170519; CN 201780044296 A 20170519; EP 17798466 A 20170519; JP 2018561030 A 20170519; JP 2022031436 A 20220302; US 201716303024 A 20170519; US 202117547364 A 20211210